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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/519,551	03/06/2000	Jozeph W. Triepels	PHN 17, 326	8962

7590 12/20/2001

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EXAMINER

ABDULSELAM, ABBAS L

ART UNIT

PAPER NUMBER

2674

DATE MAILED: 12/20/2001

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No. 09/519,551	Applicant(s) Triepels
Examiner Abbas Abdulselam	Group Art Unit 2674

Responsive to communication(s) filed on _____.

This action is FINAL.

Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

Claim(s) 1-10 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

Claim(s) _____ is/are allowed.

Claim(s) 1-10 is/are rejected.

Claim(s) _____ is/are objected to.

Claims _____ are subject to restriction or election requirement.

Application Papers

See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

The drawing(s) filed on _____ is/are objected to by the Examiner.

The proposed drawing correction, filed on _____ is approved disapproved.

The specification is objected to by the Examiner.

The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

All Some* None of the CERTIFIED copies of the priority documents have been

received.

received in Application No. (Series Code/Serial Number) _____.

received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____.

Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

Notice of References Cited, PTO-892

Information Disclosure Statement(s), PTO-1449, Paper No(s). 5

Interview Summary, PTO-413

Notice of Draftsperson's Patent Drawing Review, PTO-948

Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

Art Unit: 2674

DETAILED ACTION

1. A certified copy of a foreign document has been received.

Claim Rejections 35 U.S.C. 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ueda et al. (USPN 5838400).

Regarding claim 1 ,Ueda teaches a display device with first and second substrates connected eclectically with the ground pad of common metallic shield. Ueda teaches A first substrate which is made of multilayered flexible pad pattern via holes for electric connection; and a surface conductor layer. Ueda also teaches a second substrate which also consists a surface conductor layer as well; and has electrical connection through holes. See column 5, lines 9-24. Furthermore, Ueda teaches an interface substrate that can be connected in a reliable way even if the number of pixels increase. See column 20, lines 1-4. Ueda does not specifically disclose a laminar substrate. However, Ueda teaches that a portion of a conductor layer is double coated and the conductor surface layer Li, is coated with a solid or mesh shaped substrates. See column 21, lines 19-25 and column 18, lines 4-8.

Art Unit: 2674

Therefore, it would have been obvious to one skilled in the art at the time the invention was made to utilize the double coated conductor layers . One would have been motivated in view of the suggestion in Ueda that a double coated conductor layer constitute a laminar substrate.

Regarding claim 2, Ueda teaches shield casings metal frame. Ueda also teaches electronic parts related to shield casings mounted in a flexible substrates the portion of which is composed of conductor. See column 4, lines 41-44.

Regarding claim 3, Ueda teaches a conductor layer L3 which is gold plated. See column 14, lines 57-59.

Regarding claims 4-5, and 8, Ueda teaches that a multi layer flexible substrate has its portion made of conductor layers which is electrically connected with insulating substrate through conductive film. See column 4, lines 24-30.

Regarding claim 6, Ueda teaches a display device with flexible substrate. See column 4, lines 5-14.

Regarding claim 7, Ueda teaches the wiring substrate which is made of multilayered flexible substrate producing increased wiring density and increases pattern of conductor. See column 6, lines 34-45.

Regarding claim 9, Ueda teaches applying a voltage to common transparent pixel electrode relative to configuration of substrate (sub 1) and (substrate sub 2). See column 16, lines 49-56.

Art Unit: 2674

Regarding claim 10, Ueda teaches liquid crystal display device with thin film. See column 1, lines 29-43

Conclusion

3. The prior art made of record and not relied upon is considered to applicant's disclosure.

The following arts are cited for further reference.

U.S. Pat. No. 5,335,100 to Obata

U.S. Pat. No. 5,436,744 to Arledge et al.

U.S. Pat No. 5,834,327 to Yamazaki et al.

U.S. Pat No. 6,236,440 to Johnson et al.

Art Unit: 2674

4. Any inquiry concerning this communication or earlier communication from the examiner should be directed to **Abbas Abdulselam** whose telephone number is **(703) 305-8591**. The examiner can normally be reached on Monday through Friday (9:00-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard Hjerpe**, can be reached at **(703) 305-4709**.

Any response to this action should be mailed to:

Commissioner of patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314

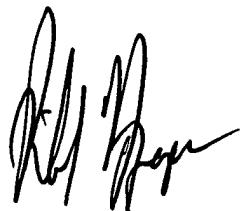
Hand delivered responses should be brought to crustal park II, Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology center 2600 customer Service office whose telephone number is **(703) 306-0377**.

Abbas Abdulselam

Examiner

Art Unit 2674


RICHARD HJERPE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600